

## Africa RISING in the Ethiopian Highlands

# Facilitate improving availability of quality planting material to intensify high value trees

Aster Gebrekirstos and Hadia Seid (ICRAF)

## Goal

Lack of high quality planting material is recognized as a major constraint to greater adoption. The goal is to effectively improve accessibility, affordability, and availability of quality planting material which will be obtained at affordable prices due to proximity and reduced transport and distribution costs.

## Technologies to scale:

Strengthen existing nurseries or facilitating the establishment of demand driven community based multiplication and distribution centers, in partnerships with a range of stakeholders.



Fig. 1 Avocado and apple mother block established at shaya nursery sinana

In Sinana we strengthened Shaya nursery site -built shed nets and planted apple and avocado mother blocks, provided capacity development and nursery tools. Capacity 500, 000 to one million seedlings that will benefit more than 50, 000 households. Established in partnership with Salka Agricultural Research Institute, Sinana woreda office, Maldebo University and AGP.



Fig. 2 & 3 Apple mother block and root stock and 4) Water point shaya nursery sinana

## Implications for generating development outcome

There is a high demand of quality seed and seedling in different research and development programs of the country. Our suggestion is to follow similar strategy so country stakeholders will have access to improved knowledge & ability to engage in promoting HVT and create job opportunity for women and youth.

## Core partners



Fig.5 constructed shed net shaya nursery sinana



## Capacity development

scaling up high value trees requires capacity and knowledge. We will continue training of agricultural extension agents (DAs), nursery workers and farmers for example, in cultivar-rootstock selection, propagation, site species matching and fruit management practices including pruning, tree training and crop load managements, water point rehabilitation, fertilizer, disease resistance and growth which determines the final quality harvest.



Fig. 5 field demonstration on soil mixing pot filling in shaya nursery sinana and mulching



Fig. 5 field demonstration on apple management Maichew



Fig. 5 field demonstration on apple management Maichew (left) and avocado Lemo (right)



We thank farmers and local partners in Africa RISING sites for their support